



WATER MANAGEMENT MONTHLY REPORT

Information Exchange Bulletin

Vol. No. 08 – 06

Date: 02 July 2008

Prepared by: U.S. Army Engineer Division,
Great Lakes and Ohio River, 550 Main St.
#10032, Cincinnati, OH 45202-3222

RESERVOIR OPERATION AND SYSTEM STATUS FOR JUNE 2008

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 34.10 feet. The Cairo stage rose at the start of the month cresting at 41.51 feet on the 19th before dropping to 38.58 feet at the end of the month. Flood stage at Cairo is 40 feet. A flood control operation was conducted from the 8th through the 25th.

WEATHER – June's weather was wetter than normal in the northern half of the Ohio Valley with drier than normal conditions in the southern half. Precipitation departures ranged from 1.87 inches below normal at Nashville, TN to 6.31 inches above normal at Columbus, OH. The most significant precipitation events were from the 4th to the 5th, the 7th to the 8th, the 14th to the 15th and the 26th through the 30th.

Ohio Valley temperatures averaged above normal during June. The temperatures ranged from 0.8 degrees above normal in Cincinnati, OH to 4.3 degrees above normal in Louisville, KY.

TEMPERATURE AND PRECIPITATION – JUNE 2008

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	70.0	+1.6	6.17	+2.05
Charleston, WV	73.2	+3.3	5.46	+1.37
Columbus, OH	73.2	+2.0	10.39	+6.31
Cincinnati, OH	72.8	+0.8	5.21	+0.79
Louisville, KY	78.5	+4.3	3.16	-0.60
Indianapolis, IN	73.2	+1.5	8.00	+3.87
Evansville, IN	76.4	+1.6	3.09	-1.01
Nashville, TN	78.0	+2.9	2.21	-1.87

STREAMFLOW – Stream flow throughout the Ohio River during June began below normal, and rose above normal during the first week of the month due to significant rainfall. The monthly average flows ranged from a low of 113 percent of normal at Evansville, IN to a high of 149 percent of normal at Paducah, KY. Daily flows ranged from a low of 29 percent of normal at Evansville, IN and Louisville, KY to a high of 457 percent of normal at Huntington, WV. The following table presents the flow data summary for the Ohio River Index Stations:

FLOW DATA – JUNE 2008

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	27,000	114	382	39
Huntington, WV	73,000	128	457	48
Cincinnati, OH	96,000	127	397	45
Louisville, KY	114,000	143	404	29
Evansville, IN	113,000	113	297	29
Paducah, KY	288,000	149	206	101

RESERVOIRS – June began with 3.8% utilization of the total system flood control storage and ended the month at 3.9%. System-wide augmentation storage availability began at 99.2% at the beginning of the month and was at 99.0% by the end of the month.

The following table depicts storage change by tributary reservoir subsystem for June:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	2,900
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	45,300
Twelvepole-Big Sandy-Little Sandy-Scioto	7,300
Little Miami-Licking-Mill Creek-Great Miami	0
Kentucky-Salt-Green-Wabash	61,200
Cumberland	-213,100
TOTAL	-96,400

JEFFREY C. SMITH
Colonel, Corps of Engineers
Commander, LRD